LINUX

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Chapter 1

LINUX Installation

LINUX Performing Basic System Management Task

1.1 Installing RedHat Enterprise Linux Server...

Understanding Server Requirements

- **Installed on :**
- On physical hardware
- In virtual machines
- Aa a container
- As an instance in cloud

The developer option is avaible to use **RedHat** for free.

Requirements
- depends ono type of physical, virtual, cloud?
- with GUI or not?
- what are you going to do with the server?

For installation in virtual machine:
- 2GiB or RAM
- 20 Gib of disk space
- wired network connection
- optical drive or access to DVD **ISO**

1.2 Performing basic Installation

• **Set** some option like **boot order** in your setting option in Virtual Machine.
• **In installation menu**, we will select the option **Intall RedHat Enterprise 8**
• Operating system need to be loaded
• Installation screen : In this screen we will select the **Language** and **Keyboard Language.**
• Click continue
• **Installation Summary Screen,** options are :
• **Localization ->** keyboard language, language support, Time and date,
• **Software Selection ->** Installation source, Software Selection **(default minimal install)**
• **System ->** Installation Destination, Kdump, Network and host name, Security Policy, System purpose..
• when **ON** the network and host name -> DHCP works in behind in network and provides us a IP address.
• Swe can also change that dynamically configured IP address.
• **Note:** Installation Destination option marked as a red becoz this is going to overwrite the total content of your hard disk.
• Then press Done.
• Begin Installation.

Now :
• set the root password and if the passwd fails the dictionary check then we press Done twice for move ahead.
• Set and Create a User, it is compulsary to create a user and set the password
• At the time of the creation of the other user **Make this user Administrator** if you press that option that means you
• allows to give a permission to run Sudo commands.
• wait around 10min for installation of all the packages.
• Now reboot your system.

LINUX 1.3 Installation with Custom Partitioning

- we will go in the **Installation Summary screen** and then select **installation Destination.**
- **Now,** select the custom Partition
- Then click Done
- what type of partition you want to create?
- you see there Available Space and Total Space
- simple you press + button there
- add mount point
- set the desired capacity.
- set the device type standered partition.
- file system **xfs.**
- this is the whole process to be done .....

LINUX 1.4 Logging into the Server

• For security, don't log in as root be dafault
• use **su -** to open a root shell when required.
• Or use **sudo** to run tasks as root.

open a terminal

you can also change your **terminal apperance** by right click.
Power setting change if you want to change by going in setting.
# represent the Root user.
$ represent the ordinary user.
pwd -> present working directory.
su - press enter and ask a password for login a root account.

LINUX 1.5 Deploying RHEL 8 in Cloud

- Aws management console
- EC2 service **Elastic Computation**
- launch a virtual machine
- **t2 micro** select it.
- Review and launch
- No. of instance = 1
- no need to change now
- next add storage
- 10 GiB
- Add Tag
- configure a security Group firewall
- ssh   TCP   22   0.0.0.0
- AllTraffic all   0   0.0.0.0
- launch
- create a key pair
- key pair name (give)
- download key pair
- launch instance.